

Revisions					216339	D
LAL	Rev.	Description	Chk	Date	Approved	
	A	ENGRG RELEASE	BS	3-8-76	RF	
	B	REVISED; ADDED ITEM 27	JM	7-7-76	WRF	
	C	ADDED NOTE 2. SH 7 REVISED "WAKECURT" SCHEMATIC. SH 12 REVISED "SWKMRT" SCHEMATIC.	SN	10-4-76	RF	
	D	M/L ITEM 38 P/N WAS P3601, ITEM 55 P/N WAS 514-AG10D, ITEM 56 P/N WAS 516-AG10D.	BS	4-13-77	BS	

ENGINEERING RELEASE

THIS DOCUMENT CONTAINS 14 SHEETS.

Dist Code ALT

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	1. Tolerances .XX ±.03 Angular .XXX ±.010 ±½°	Check <i>Engineer</i>	Title ALTO II		
2. Break All Sharp Edges .010 Approx.	Appr. <i>BS</i>	Material			ASSEMBLY, PRINTED WIRING -
3. Mach. Surfaces <input checked="" type="checkbox"/>					DISPLAY CONTROL
4. All Dim. in Inches					
Ref No. ALTO II 1st Use EWO 7YF92	Finish	Code Ident. 18338	Size A	Dwg. No. 216339	Change Letter D
Next Assy. 216302		Scale -	Do Not Scale Drawing		Sheet 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPECIFICATION, DWG NO. 216207.
2. CUT ETCH & ADD JUMPERS AS FOLLOWS: (FOR "B" REV ASSYS ONLY)
 - A. CUT ETCH BETWEEN A20-13 AND PIN 115 (CIRCUIT SIDE).
 - B. ADD JUMPER FROM A20-13 TO A18-13 (CIRCUIT SIDE).
 - C. ADD JUMPER FROM A18-12 TO PIN 115 (CIRCUIT SIDE).
 - D. CUT ETCH BETWEEN A18-14 AND FEEDTHRU BETWEEN A57 AND A58 (CONNECTS TO A54-10) (CIRCUIT SIDE).
 - E. CUT ETCH BETWEEN A21-9 AND A62-6 (CIRCUIT SIDE)
 - F. ADD JUMPER:

FROM:	TO:
1) A8-9	A21-9
2) A8-5	A8-11
3) A8-11	A8-15
4) A8-4	A8-12
5) A18-14	A8-10
6) A8-13	A8-14
7) A8-13	A54-10 (FEED-THRU BETWEEN A57 & A58)

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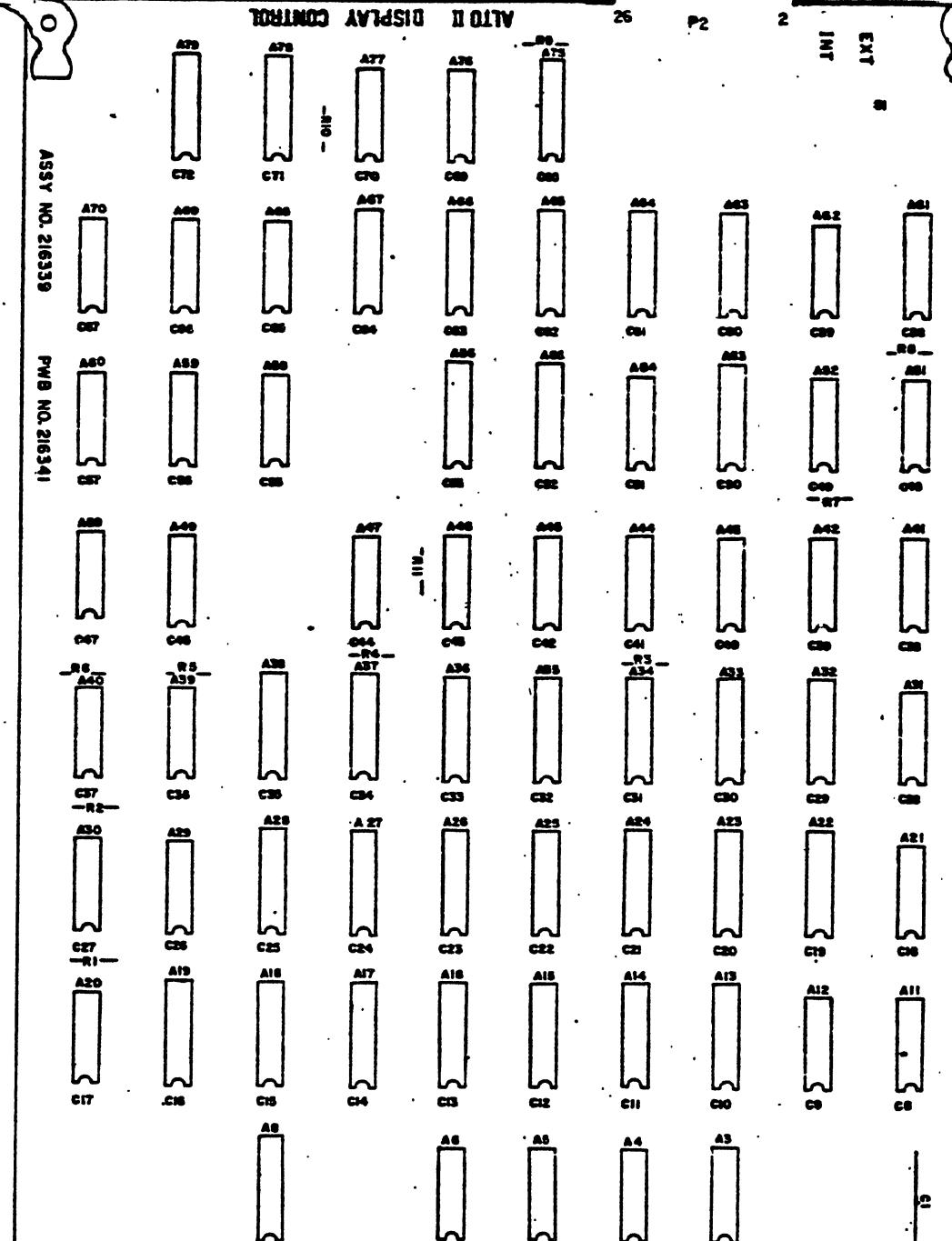
Title ALTO II
ASSEMBLY, P.W.-
DISPLAY CONTROL

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Title
**ASSY, PRINTED WIRING
DISPLAY CONTROL**

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Material List

ML	Drawing No. 216339	Rev. D
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Drawing Title
ALTO II

ASSEMBLY, PRINTED WIRING-
DISPLAY CONTROL

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Model No. EWO 7YF92	Date 3/4/76	Sheet 4 of
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Item No.	Drawing Title	Drawing No.	No. Req.	Remarks
1	Board, P.W., Display Control	216341	1	
2	Procedure, Test	216340	REF	
3	Spec, Module Assembly	216207	REF	
4	Microcircuit, 74H00		4	A29, 30, 43, 58
5	74H01		1	A40
6	74H04		1	A42
7	74H08		1	A31
8	74H10		1	A21
9	74H11		2	A11, 12
10	74H21		1	A46
11	74H30		1	A76
12	74H50		1	A52
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14	74157		1	A35
15	74166		4	A17, 22, 28, 32
16	74174		2	A18, 64
17	74279		1	A19
18	74298		1	A56
19	74S02		2	A20, 50
20	74S04		4	A41, 49, 62, 70
21	74S10		1	A59
22	74S163		3	A61, 78, 79
23	74LS08		4	A3, 4, 5, 6
24	74S08		1	A39
25	74S74		1	A68
26	Microcircuit, 74S00		1	A69
27	MICROCIRCUIT, 74109		1	A8
28				
29				
30	Microcircuit, 13101A Intel		4	A14, 15, 24, 25
31	Microcircuit, 13404 Intel		3	A13, 23, 34
32				
33				

Material List

ML	Drawing No. 216339	Rev. D
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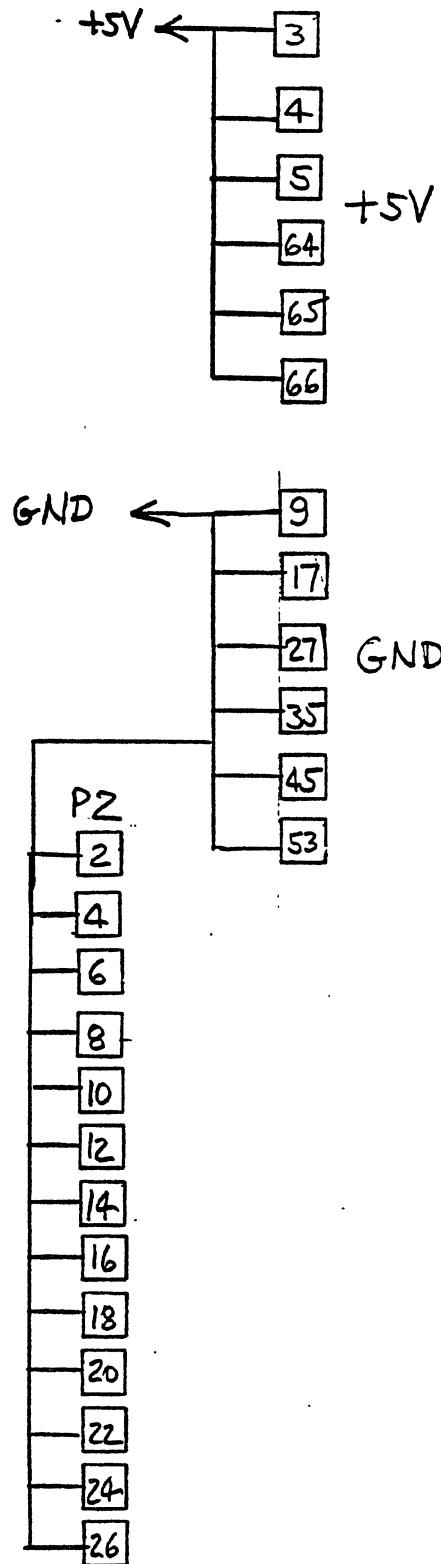
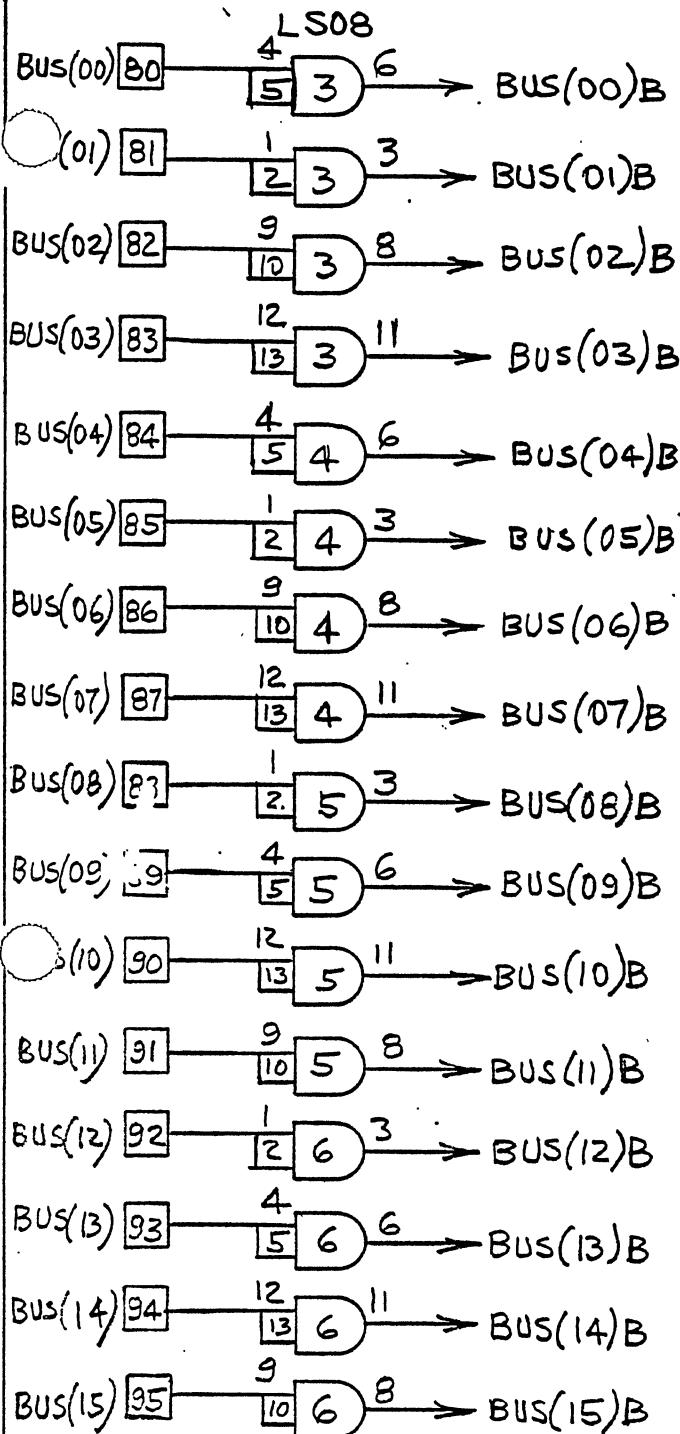
Swing Title

ALTO TT

ASSEMBLY, PRINTED WIRING-
DISPLAY CONTROL

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BUS BUFFERS

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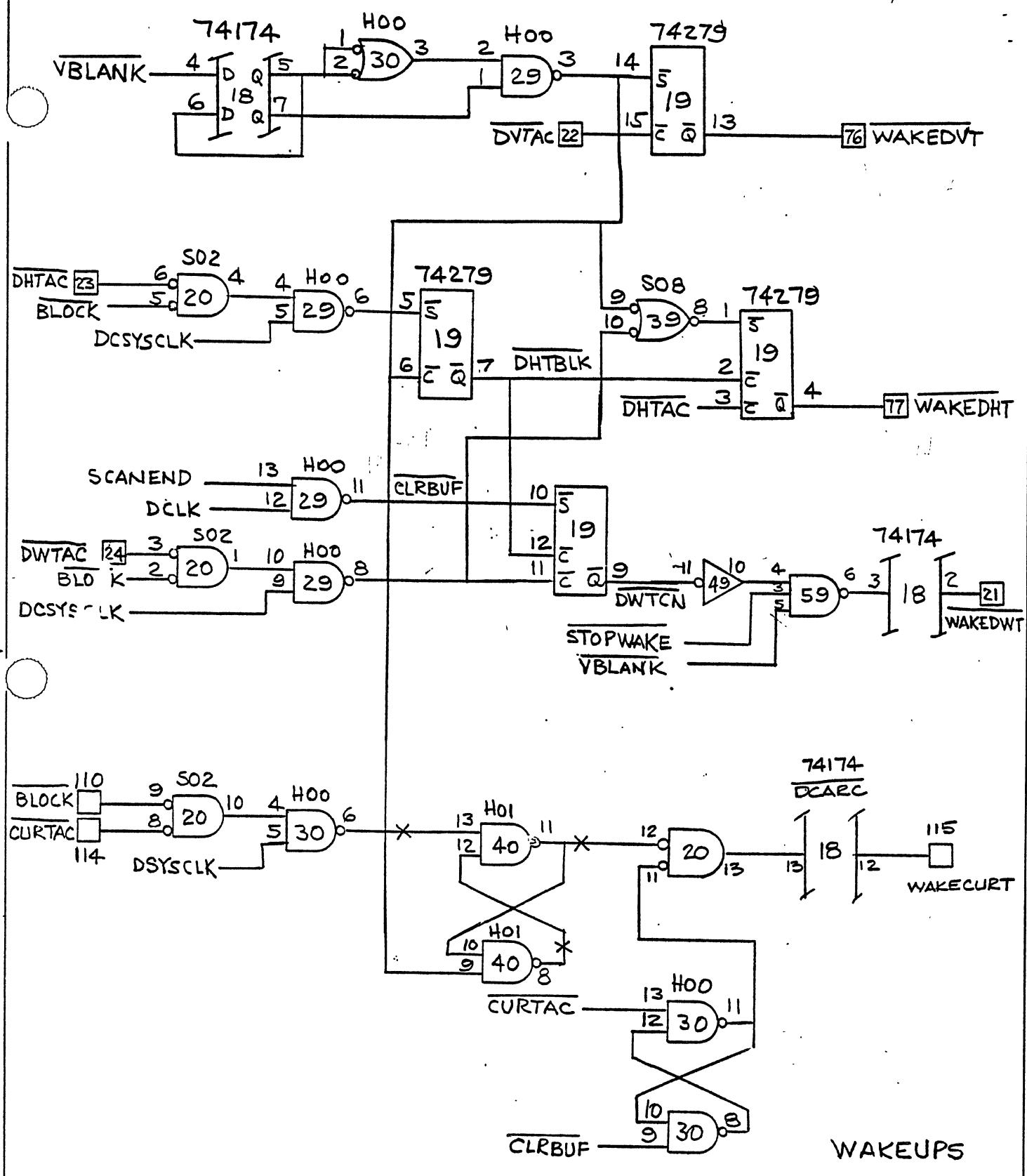
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ALTO II
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DISPLAY CONTROL

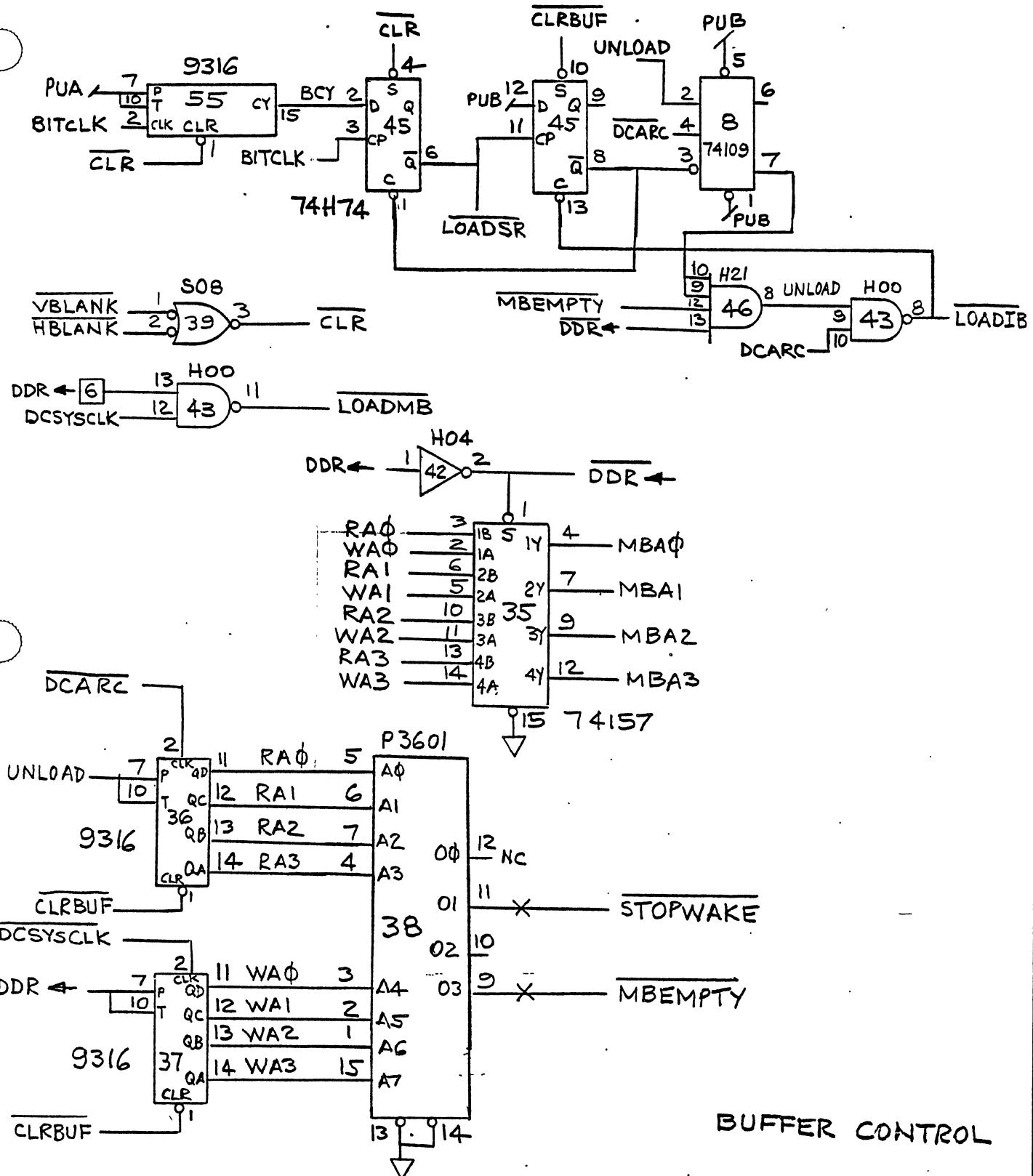
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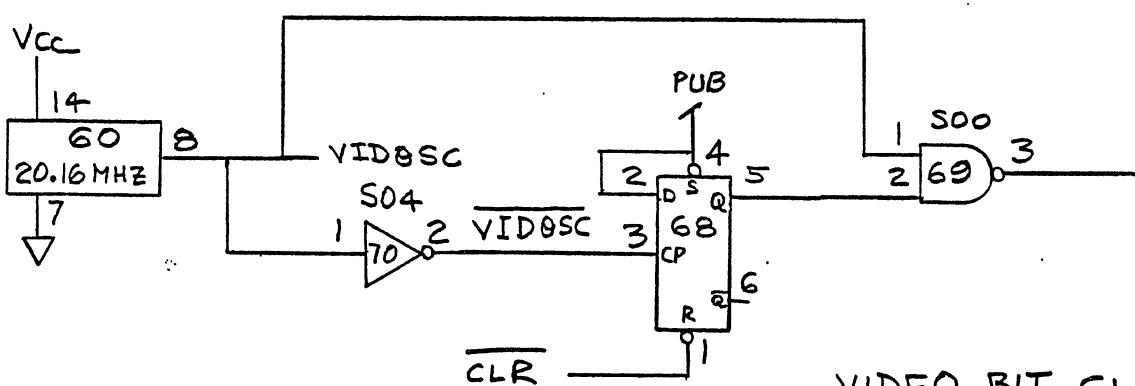
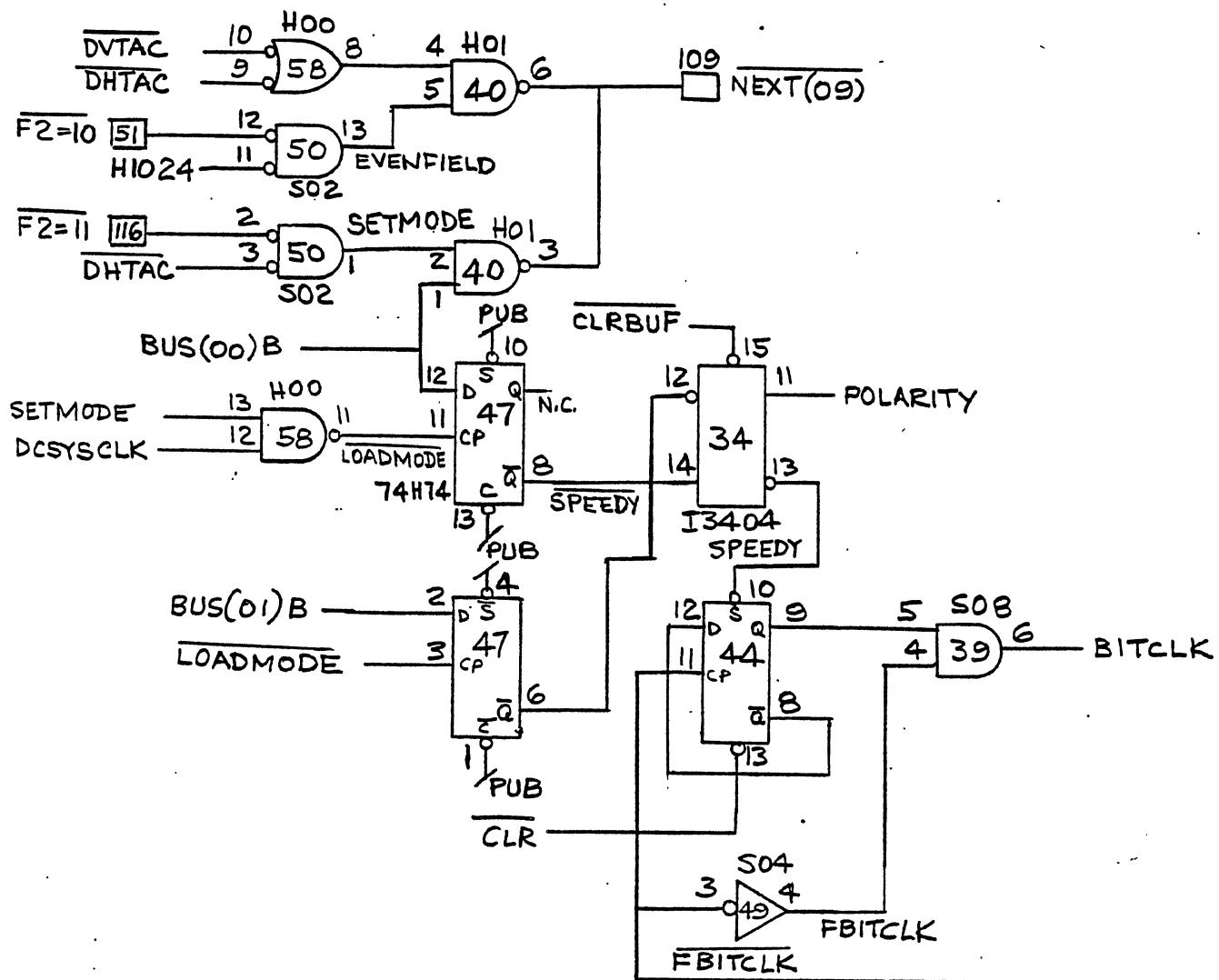
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VIDEO BIT CLOCK

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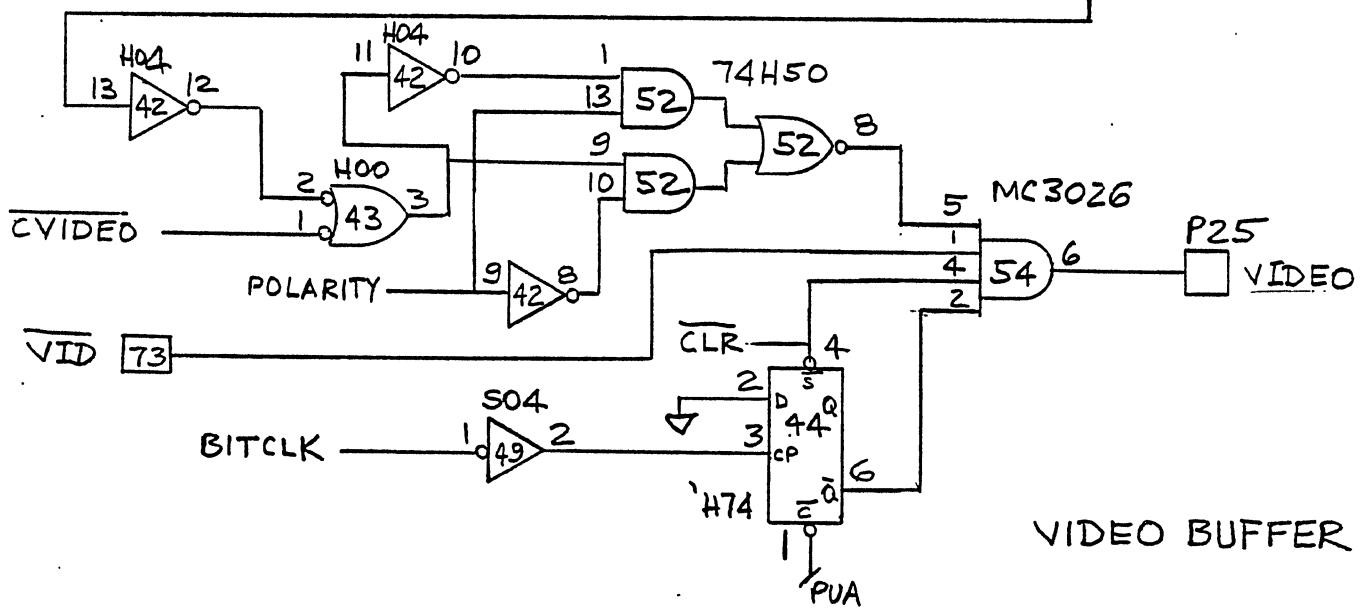
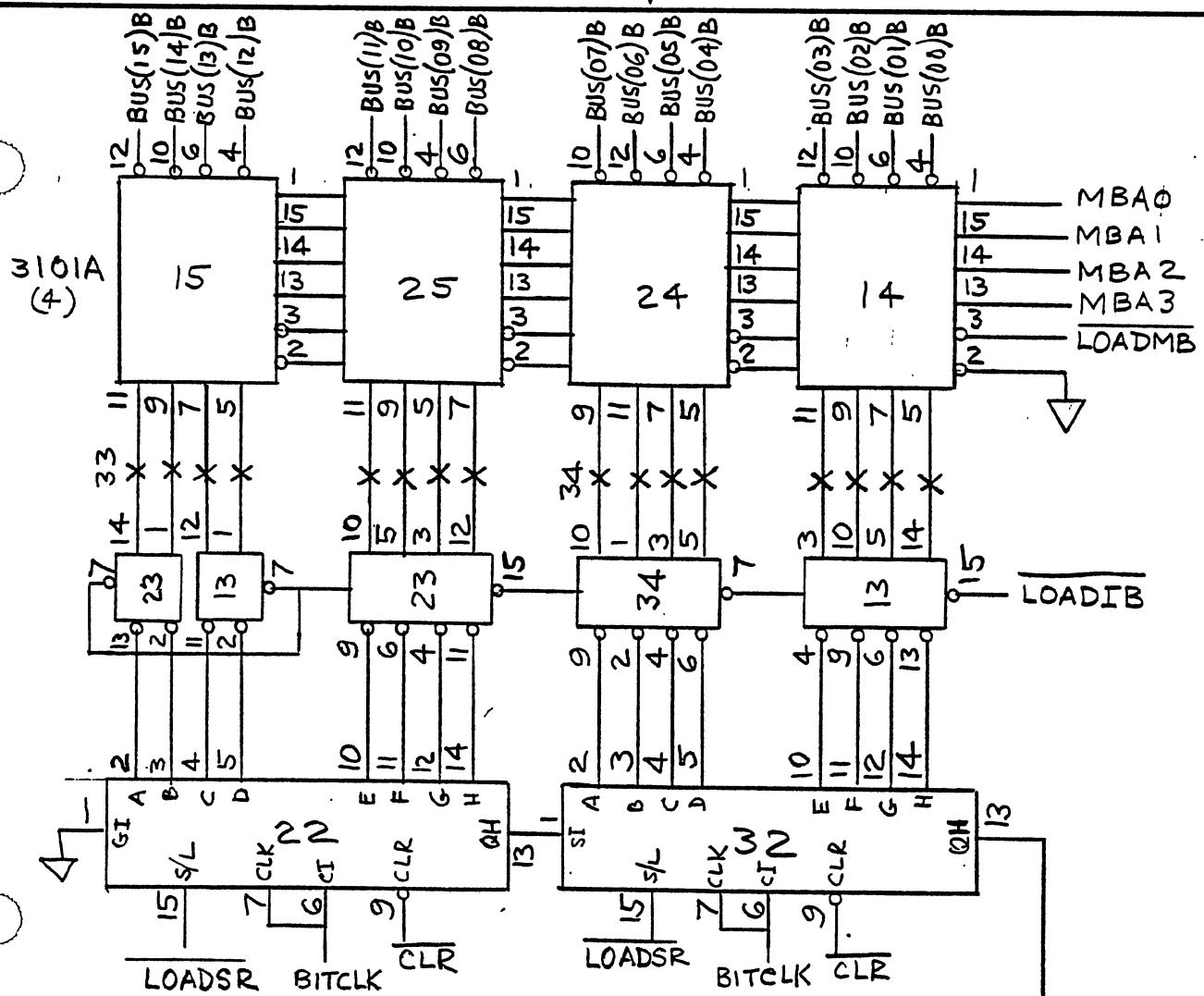
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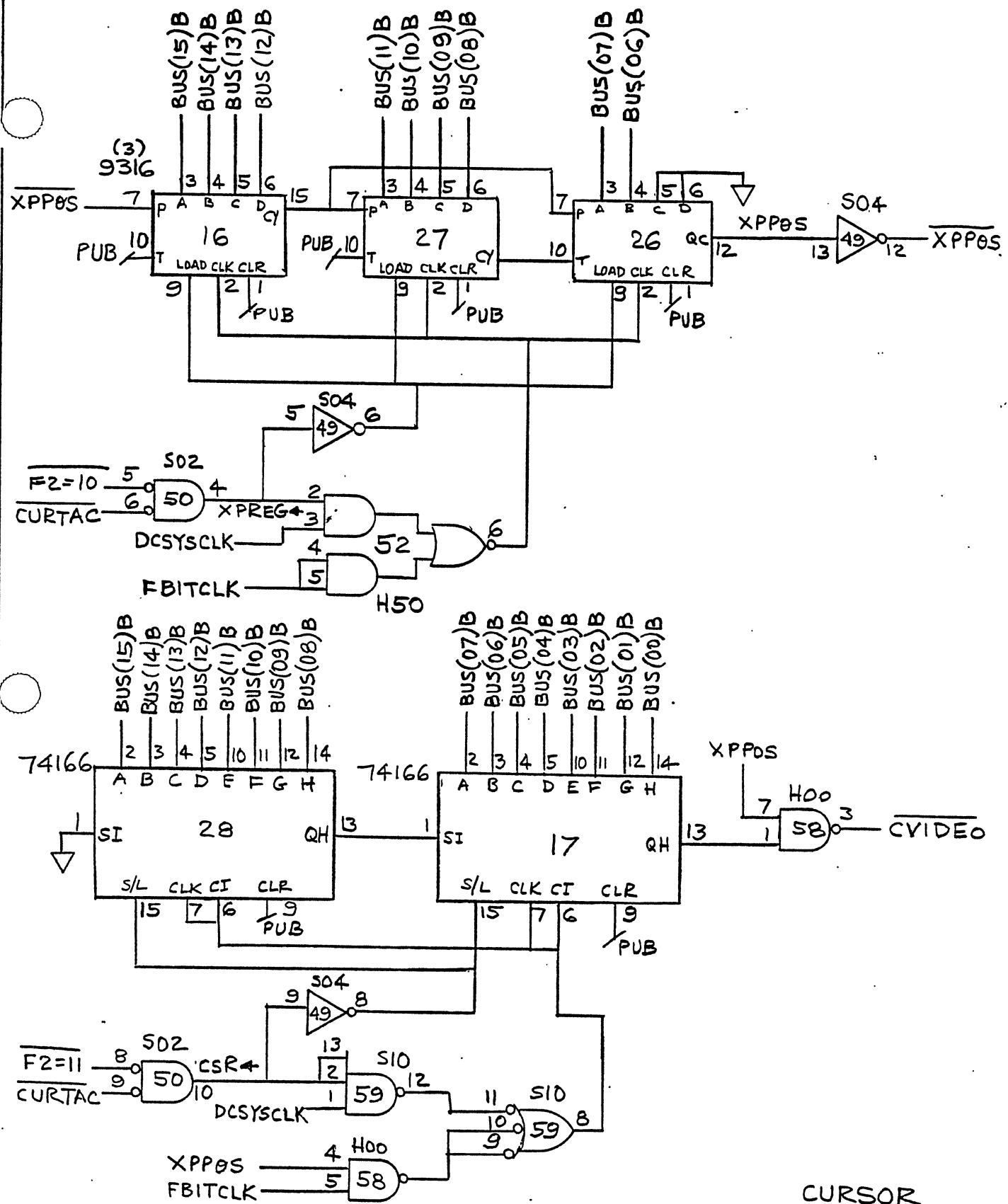
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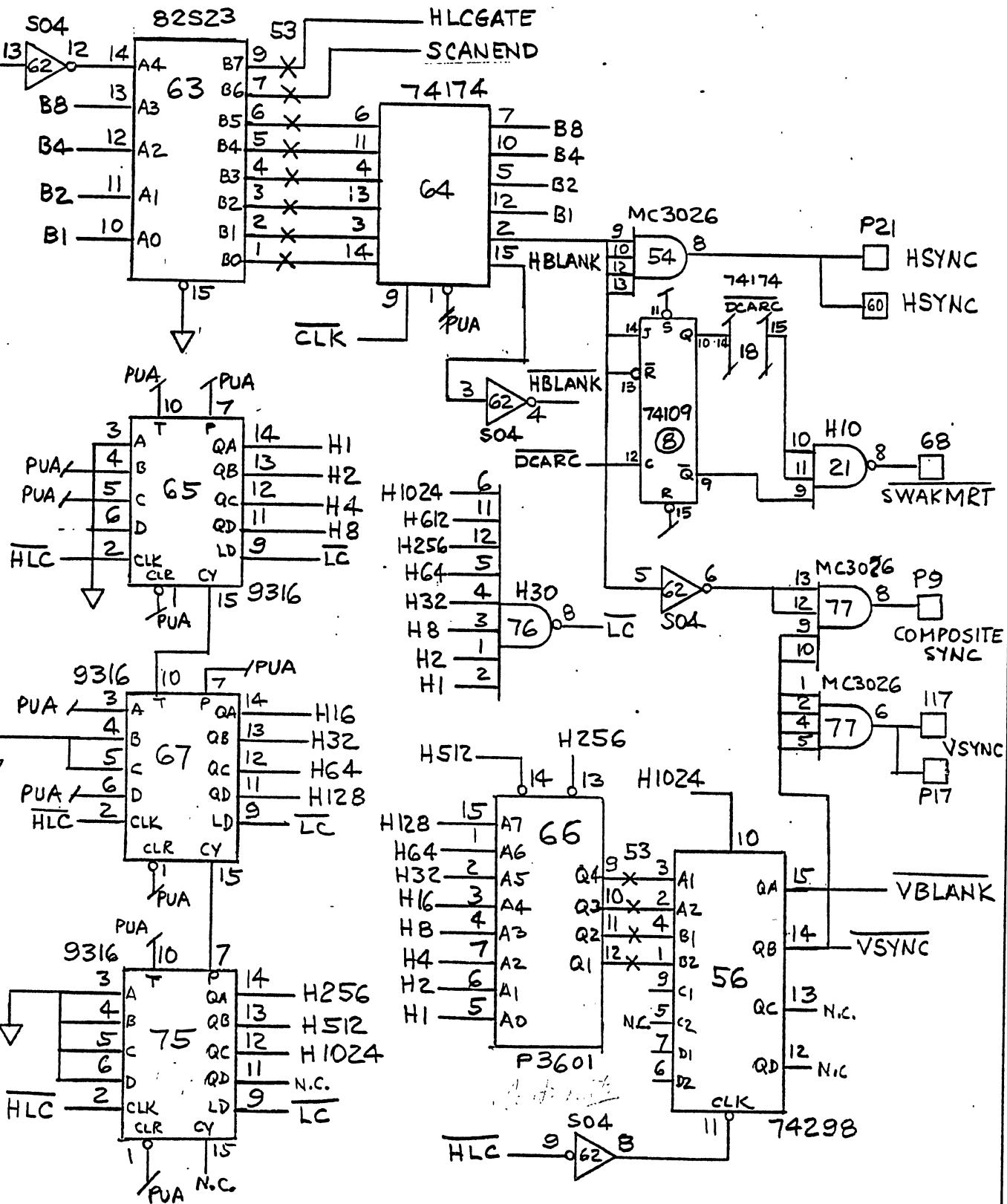
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SYNC GENERATOR 875 LINE

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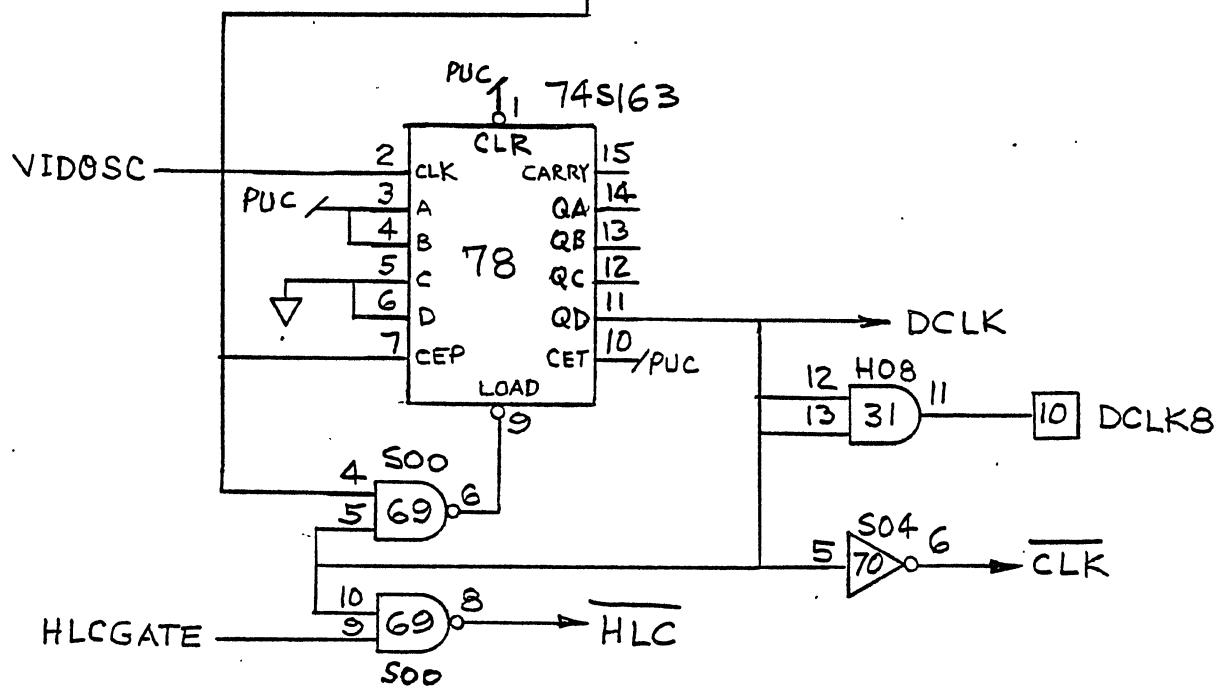
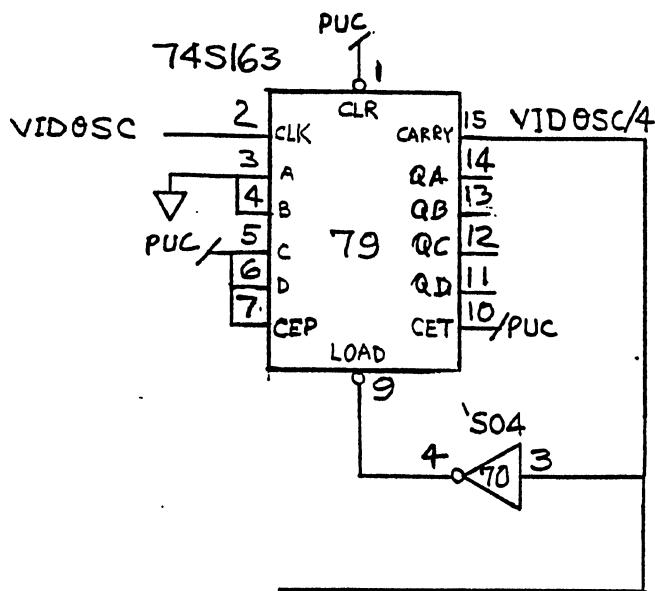
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DISPLAY CONTROL

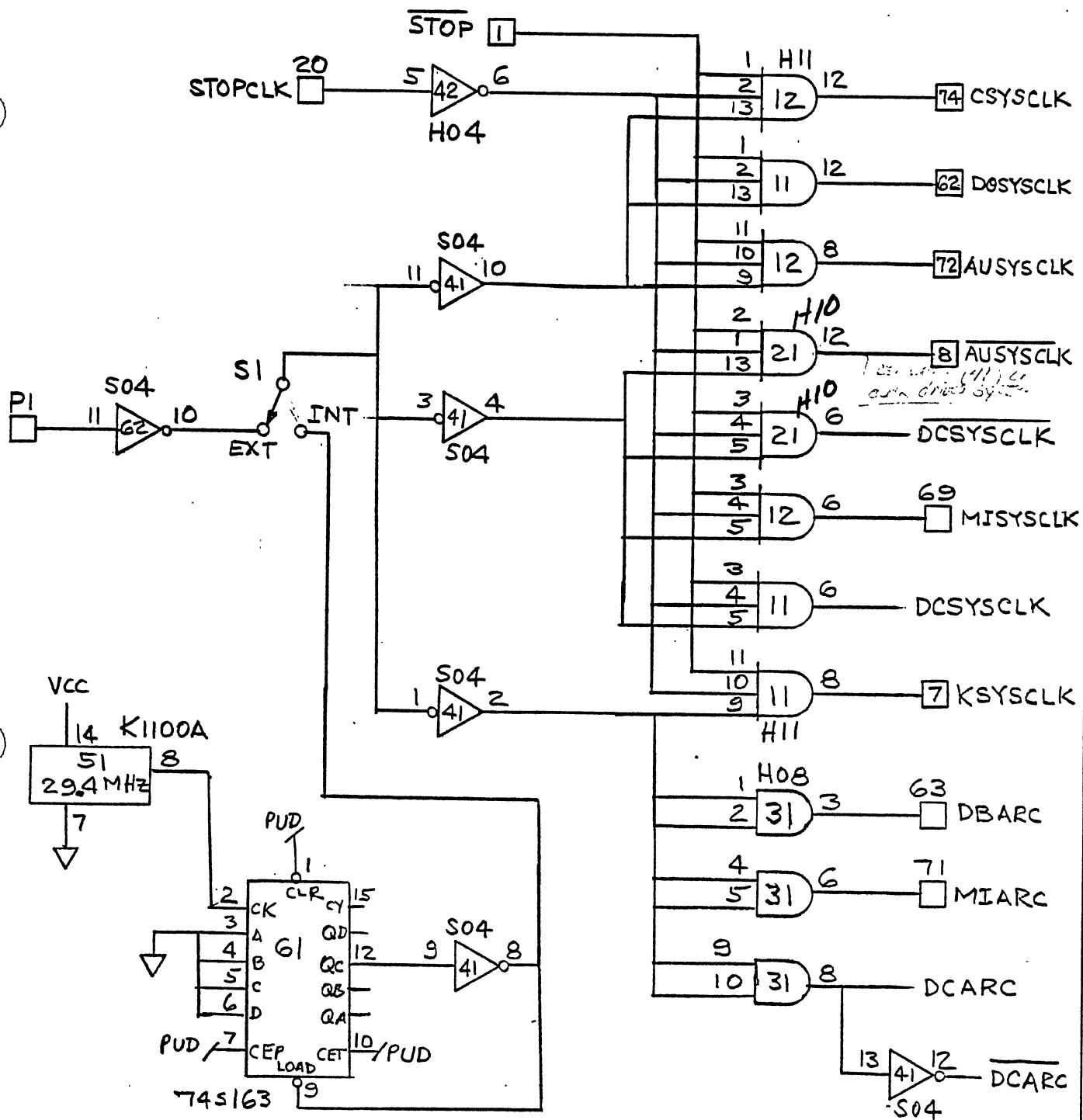
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SYSTEM CLOCKS

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